

Some Critical and New Central American Species of *Urostachys*

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Next to the high-Andean regions of equatorial South America the highlands of Central America are richest in species of *Urostachys* (Lycopodiaceae), although they have been little investigated. Through the kindness of C. V. Morton, of the U. S. National Museum, Washington, D. C., I have been able to study a number of collections from this region, and I am taking this opportunity of presenting a short summary of the forms studied. The material comes mostly from the mountains of Guatemala, Costa Rica, and Panamá, but I mention a few specimens from Mexico and the Dominican Republic also. The arrangement of the species follows the order given in my system (Herter 1949-50), as did my last publication on the high-Andean *Urostachys* (Herter 1953). All the specimens cited are in the U. S. National Herbarium.

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UROSTACHYS ORIONIS Herter, Index Lycopod. 73. 1949.

COSTA RICA: Erect among small bushes in páramo, among *Sphagnum*, Cerro de las Vueltas, Prov. San José, alt. 2700-3000 meters, Dec. 29, 1925-Jan. 1, 1926, Standley & Valerio 43611, 44004, 44006. Common under shrubs on open rocky slopes above cloud-forest area, Páramo de Cerro de la Muerte, Cordillera de Talamanca, Prov. Cartago, alt. 3300 meters, Mar. 30, 1949, L. O. Williams 16087.

UROSTACHYS ERIKSSONII Herter ex Nessel, Rev. Sudamer. Bot. 6: 163. 1940.

GUATEMALA: Volcán Tajumulco, Dept. San Marcos, alt. 3800-4000 meters, Feb. 16, 1940, Steyermark 35779.